

**Eighth Semester B.Tech. Degree Examination, April 2016
(2008 Scheme)**

08.801 : SOFTWARE ENGINEERING AND PROJECT MANAGEMENT (R)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions :

1. What are the different categories of software products ?
2. What is a software metric ? How is it different from software measurement ?
3. What are the main features of spiral model ?
4. Distinguish between Verification and Validation.
5. What do you mean by risk projection ?
6. Explain Boehm model for estimating maintenance costs.
7. Distinguish between Alpha and Beta testing.
8. What is modularity ? List the important properties of a modular system.
9. Compare hardware reliability with software reliability.
10. What is the role of SQA group ?



(10×4=40 Marks)

PART – B

Answer **one** question from **each** Module :

Module – I

11. a) What are the characteristics to be considered for the selection of a life cycle model ? 8
- b) Explain the characteristics of a good SRS. 12

OR

P.T.O.



12. a) Explain the following : 10
- a) Waterfall model
 - b) Prototyping.
- b) With an example, explain the different phases in software development. 10

Module – II

13. a) With an example, explain cyclomatic complexity. 10
- b) Explain Cocomo model for software estimation. 10

OR

14. a) What are the different types of maintenance ? Give examples. 10
- b) What are the different types of cohesion and coupling ? 10

Module – III

15. a) Explain about software configuration standards. 10
- b) Explain about case tools. 10

OR

16. a) Explain how to define a task set for a software project ? 10
- b) Explain user interface design. 10